

What is claimed is:

1. A sewing machine frame comprising:

5 a main frame including an upper support member for supporting thereon a plurality of machine heads in a substantially horizontal orientation and in juxtaposed relation to each other and a lower support member for supporting thereon a plurality of hook bases in a substantially horizontal orientation and in juxtaposed relation to each other, said upper support member and said lower support member being positioned in substantially parallel relation to each other with a predetermined interval therebetween
10 and integrally joined with each other via a joint member; and

a supporting leg section provided separately from said main frame, said supporting leg section being attached to a predetermined position of said main frame to support said main frame in a substantially horizontal orientation at a predetermined height.

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2. A sewing machine frame as claimed in claim 1 wherein said main frame is formed by said upper support member and said lower support member being integrally joined with each other via a pair of the joint members positioned at opposite ends of said upper support member and said lower support member positioned in substantially
20 parallel relation to each other.

3. A sewing machine frame as claimed in claim 2 wherein said main frame is formed by welding together individual ones of said members.

25 4. A sewing machine frame as claimed in claim 1 wherein said supporting leg section includes a pair of leg members for supporting left and right ends, respectively, of said main frame.

5. A sewing machine frame as claimed in claim 1 wherein said supporting leg
30 section includes a pair of leg members for supporting left and right ends, respectively, of said main frame, and a structural member for connecting between the leg members to reinforce the leg members.

6. A sewing machine frame as claimed in claim 5 wherein individual ones of said members making up said supporting leg section are detachably assembled by means of detachable fasteners.

5 7. A sewing machine frame as claimed in claim 1 wherein said supporting leg section is attached to said main frame by welding.

8. A sewing machine frame as claimed in claim 1 wherein said supporting leg section is detachably attached to said main frame by means of a detachable fastener.

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9. A method for assembling a sewing machine frame, said method comprising:

a step of providing a main frame including an upper support member for supporting thereon a plurality of machine heads in a substantially horizontal orientation and in juxtaposed relation to each other and a lower support member for supporting thereon a plurality of hook bases in a substantially horizontal orientation and in juxtaposed relation to each other, said upper support member and said lower support member being positioned in substantially parallel relation to each other with a predetermined interval therebetween and integrally joined with each other via a joint member;

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a step of providing a supporting leg section for being attached to a predetermined position of said main frame to support said main frame in a substantially horizontal orientation at a predetermined height;

a step of transporting each of the provided main frame and supporting leg section to an assembling place; and

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a step of completing said sewing machine frame by assembling said supporting leg section to the transported main frame in the assembling place.

10. A method as claimed in claim 9 wherein said supporting leg section includes a pair of leg members for supporting left and right ends, respectively, of said main frame, and a structural member for connecting between the leg members to reinforce the leg members, and

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wherein said step of transporting transports the members of said supporting leg section to the assembling place in a separated state, and said step of completing

completes said sewing machine frame by assembling said supporting leg section with the members in the assembling place and attaching the assembled supporting leg section to the transported main frame.

5 11. A method for assembling a sewing machine frame, said method comprising:

a step of providing a main frame including an upper support member for supporting thereon a plurality of machine heads in a substantially horizontal orientation and in juxtaposed relation to each other and a lower support member for supporting thereon a plurality of hook bases in a substantially horizontal orientation
10 and in juxtaposed relation to each other, said upper support member and said lower support member being positioned in substantially parallel relation to each other with a predetermined interval therebetween and integrally joined with each other via a joint member, said step of providing including providing said lower support member with a base for mounting thereon the hook bases;

15 a step of providing a supporting leg section for being attached to a predetermined position of said main frame to support said main frame in a substantially horizontal orientation at a predetermined height;

a step of transporting each of the provided main frame and supporting leg section to an assembling place; and

20 a step of completing said sewing machine frame by assembling said supporting leg section to the transported main frame in the assembling place.

12. A method for assembling a sewing machine frame, said method comprising:

a step of providing a main frame including an upper support member for supporting thereon a plurality of machine heads in a substantially horizontal
25 orientation and in juxtaposed relation to each other and a lower support member for supporting thereon a plurality of hook bases in a substantially horizontal orientation and in juxtaposed relation to each other, said upper support member and said lower support member being positioned in substantially parallel relation to each other with a
30 predetermined interval therebetween and integrally joined with each other via a joint member;

a step of providing a supporting leg section for being attached to a predetermined position of said main frame to support said main frame in a

substantially horizontal orientation at a predetermined height;

a step of attaching, to the provided main frame, component parts including the machine heads and hook bases;

a step of transporting, to an assembling place, said main frame having the component parts attached thereto and the provided supporting leg section; and

a step of completing said sewing machine frame by attaching said supporting leg section to the transported main frame in the assembling place.